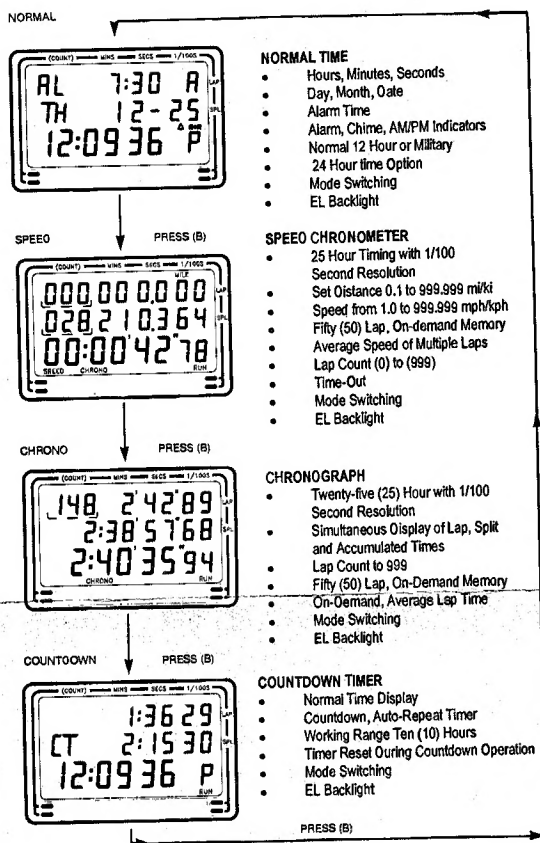


Thank you for buying the Robic SC-800EL. Your purchase brings you a world class timer with a wide range of professional features and functions that are applicable to numerous timing activities for sport, science & technology.

To ensure maximum enjoyment from your timer, please take a few minutes to carefully review this operating guide.

Once you are familiar with its operation, you will be ready to enjoy its many fine features, which include the following modes of operation: normal time, speed chronometer, chronograph and countdown timer.



I. EL BACKLIGHT OPERATION

Pressing "D" at any time during any operation will activate the Electro-Luminescent (EL) Backlight function for viewing at night and in low light or no light situations.

Once pressed, the EL Backlight will illuminate the display for three (3) second with a light blue, back lighting.

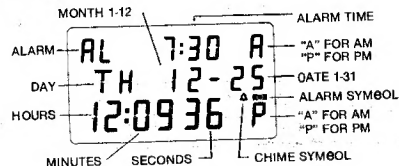
IMPORTANT:

Please use the EL backlight as required, but note it will reduce the product's battery life.

II. NORMAL TIME - OPERATING INSTRUCTIONS

The starting point for operating your watch is normal time. If normal time is not displayed, press (B) until it appears.

To set the alarm, normal time and calendar, press (B) mode/select until the display appears as follows:



To begin the setting process, press and hold (A) until alarm hours begin to flash in the upper row of the display.

ALARM HOURS: Press (C) to advance alarm hours. The "A/AM" or "P/PM" indicator adjusts automatically.

ALARM MINUTES: Press (B) and alarm tens of minutes appear flashing. Press (C) to advance.

NORMAL TIME SECONDS: Press (B) and normal time seconds appear flashing. Press (C) to reset to all zeros.

NORMAL TIME HOURS: Press (B) and normal time hours appear flashing. Press (C) to advance.

NORMAL TIME TENS OF MINUTES: Press (B) and normal time tens of minutes appear flashing. Press (C) to advance.

MONTH SETTING: Press (B) and the month (1-12) digits appear flashing. Press (C) to advance.

DATE SETTING: Press (B) and date (1-31) appears flashing. Press (C) to advance.

DAY SETTING: Press (B) and the day appears flashing. Press (C) to advance the day of the week. MO (Monday), TU (Tuesday), WE (Wednesday), TH (Thursday), FA (Friday), SA (Saturday) and SU (Sunday).

12/24 HOUR OPTION: The time may be set to operate normally (hours 1-12) or on a 24 hour basis (hours 1-24). To set the (12) or (24) hours, Press (B) after setting the Day and either 12 or 24 will appear on the display. To select 12 or 24, simply press (C) until the 12 or 24 time indicator appears.

After setting, press (A) to exit the setting mode. All digits (except seconds) will appear frozen.

NOTES:

- (1) You may complete the setting process at any point by pressing (A).
- (2) If you wish to set any particular function (alarm, time, calendar) press and hold (A) for three (3) seconds. Then press (B) until that digit(s) appear flashing. Press (C) to advance that function, then press (A) to complete the setting process.
- (3) While setting, press and hold (C) for fast advance.

USING THE ALARM AND/OR HOURLY CHIME

The alarm can be armed (set to go off) to sound once per day. The alarm symbol ((*)) will appear when the alarm is armed.

The hourly chime in your watch can be armed (set to go off) to sound one (1) beep every hour on the hour. The chime indicator (A) will appear when the hourly chime is armed.

ARMED AND DISARMING THE ALARM AND HOURLY CHIME

The alarm will automatically be armed (set to go off) after you set the alarm time. The symbol ((*)) will be visible above the "P" indicator on the lower row of the display, or;

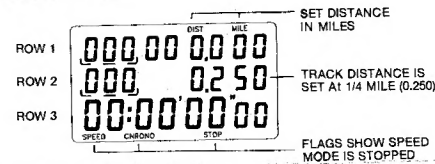
With your watch in normal time (no digits appear flashing);

- (1) Press (C) and the chime symbol (A) appears armed to sound hourly.
- (2) Press (C) again, and the chime symbol disappears, and the alarm symbol ((*)) appears armed to sound at the time set (i.e., 7:30 A).
- (3) Press (C) again and the chime symbol and alarm symbol are visible and armed to sound (chime/hourly/alarm at its set time).
- (4) Press (C) again and both the chime and alarm symbols disappear. Both are disarmed.

III. SPEED CHRONOMETER - HOW TO OPERATE

To enter the speed mode from normal time, press (B) once. If the speed timer is running, stop timing by pressing (E) once. Reset the display to all zeros by pressing (F) once or twice.

The display appears as follows:



1. How to Determine and Enter the Track Distance

The first step is to enter the track distance correctly. The speed timer will not work unless a distance is entered.

Distance is entered as the decimal equivalent of a mile or kilometer from 000.001 to 999.999. For example, enter 2 1/4 miles/kilometers as 002.250, 1/3 as 000.333, 1/8 as 000.125 etc.

You may convert feet to the decimal equivalent of a mile, i.e. 187 feet is entered as 000.035 (187 divided by 5280 = 0.035).

Convert meters to kilometers as follows: 230 meters is entered as 000.230 (230 divided by 1000 = 0.230).

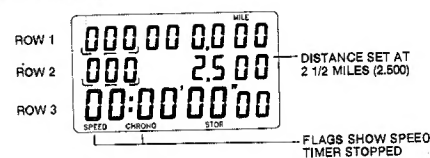
2. Enter Track Distance

To enter the track distance when the timer is stopped and reset to zeros, proceed as follows:

A. Press and hold (A) until "mile" or "km" appears flashing in the upper right hand corner of the display. Press (C) until the desired unit of measurement (Mile or KM) appears.

B. Press (B) and the first digit of the distance scale (Row 2) 000.000 appears flashing. Advance the digit (0-9) by pressing (C) until the desired digit appears. Once set, move to the second digit by pressing (B) once. Change the second digit by pressing (C).

Continue to set each digit on the distance scale until you have entered the correct distance. Press (A) to end the distance setting process. The distance set will appear and no digits will be flashing.



NOTES:

1. Should you need to set any particular digit on the distance scale, press (A) until "mile" or "km" appears flashing. Then press (B) until the correct digit appears flashing. Change the digit(s) by pressing (C). To end the setting procedure, press (A).
2. The maximum setting distance is 999.999 miles or kilometers.
3. The speed timer will not work unless a distance has been entered.

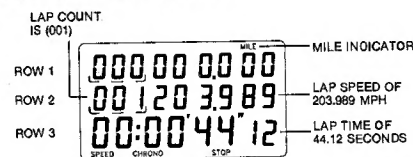
C. OPERATING THE SPEED CHRONOMETER.

After entering the track distance, you are now ready to operate the speed chronometer. For this section, assume a track distance of 2.500 (2 1/2 miles).

A. ONE LAP EVENT (START / STOP / ACCUMULATED TIME / RESET).

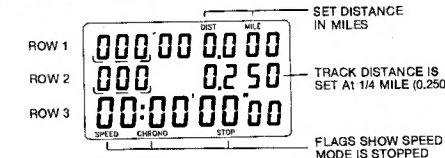
START: Press (E) to start the timer. Run Indicator appears.

STOP: Press (E) again to stop the timer. The Stop Indicator appears and 0:00'44"12 seconds has elapsed. The display appears as:



ACCUMULATED TIME: Press (F) and the accumulated time will appear in row (3) of the display.

RESET (all zeros): To return the timer to the start position (all zeros), press (F) again. The display appears as follows:



B. MULTI-LAP EVENT TIMING

When timing multi-lap events, the operating sequence is **START / LAP / STOP / ACCUMULATED TIME / RESET**.

START: Press (E) to start. Run Indicator appears and the time counter (Row 3) is counting.

LAP: To take a lap reading, press (F) the instance the lap is completed. The lap number and speed appear in Row 2, the time in Row 3. After 15 seconds, the time will revert to current lap running time. You may select current lap running time instantly by pressing (B). Continue to press (F) for each lap reading.

ILLUSTRATION (A)

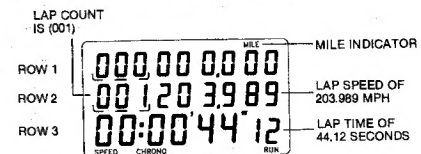


ILLUSTRATION (B)



Illustration (a) above indicates the display after you have taken a lap reading. It notes the speed and time of LAP 001. The time will revert to current lap running time after 15 seconds or instantly when you press (B).

Illustration (b) above shows the lap speed of Lap 001 (Row 2) and the running time of Lap 002 (Row 3). Running time disappears automatically after fifteen (15) seconds. The speed and time of Lap 002 will appear only after you press (F) the instant Lap 002 is completed.

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You may release to the running time (Taylor Split) of the current lap, prior to fifteen (15) seconds by pressing (B) once.

END OF RACE: At the end of the race, press (E). The speed and time of the last lap will appear in the display (lap # and speed in row 2, and time in row #3).

ACCUMULATED TIME: Press (F) once, and Row (3) will display the accumulated time of the race. Press (F) again, the timer will reset to zeros, and you are ready to begin timing again.

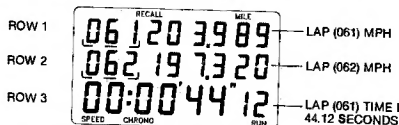
IMPORTANT NOTICE

When taking a lap reading and "Error" appears (Row 2), you have exceeded the speed capability of the timer (999.999 mph/kph).

This occurs when you take a lap reading too soon, either by accident or on purpose, i.e. long track distance and fast lap time. When this situation occurs, your timer is functioning properly and is still recording data. Wait until the lap is completed, then press (F) and the appropriate speed and time will appear on the display.

C. SPECIAL FEATURES: Your speed timer is equipped with special features described below. Review them carefully.

MEMORY: Your timer has a fifty (50) lap memory through 999 laps. The memory may be used during event timing or after the timer is stopped. To use the memory recall, press (A) anytime. The recall indicator will appear.



The above example shows the display. If you use memory recall by pressing (A), Row (1) indicates the speed of Lap 061 and Row (3) the time of Lap 061. The speed of the last lap recorded L062 appears in Row (2).

By continuing to press (A) recall, you can retrieve the previously recorded fifty (50) laps in descending order (60, 59, 58, etc.).

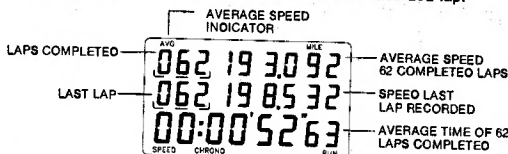
When using memory recall, the speed of the lap always appears in Row (1) and time always in Row (3).

When finished using memory recall, the speed/time data disappears automatically after fifteen (15) seconds, or instantly if you press (B). Row (1) will return to all zeros, and Row (3) to current lap running time.

At the end of event timing, the memory recall will work the same as when the product is in use. **Memory cannot be used if you have reset the display to zeros.**

AVERAGE SPEED of multiple laps will be displayed any time, when pressing (C). The average (AVG) indicator appears on the upper row of the display.

Average speed of completed laps appears in Row (1) and average time of completed laps in Row (3). Row (2) will display the speed of the last recorded lap.



The speed timer will display the average speed for 1-999 completed laps. **YOU CANNOT** obtain an average speed reading after the timer has been stopped and display reset to zeros.

The average speed data will disappear automatically after fifteen (15) seconds or instantly by pressing (B).

ACCUMULATED TIME of the race will be displayed after the last lap of the event is recorded and the speed timer is stopped. To read accumulated time proceed as follows:

Press (E) to stop the timer, press (F) to read accumulated time and (F) again to reset the timer to zeros.

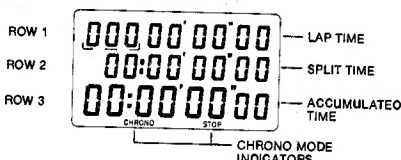
DO NOT press (F) to reset the timer to zeros after reading the accumulated time if you wish to access the memory or average speed. Retrieve all the data prior to resetting the timer to all zeros.

TIME OUT: Your timer has a "time-out" feature. If the event being timed is stopped for any reason, simply stop the timer by pressing (E). **DO NOT** reset the timer to all zeros. When the event resumes, press (E) again and your timer will begin recording data normally. The previously recorded information will be stored in memory for access by using memory recall (Press A).

IV. CHRONOGRAPH - HOW TO OPERATE

From normal time, press (B) twice, and the chronograph indicator (CHRONO) appears.

The "stopped" chronograph display will appear as follows. **IF NOT**, press (F) to stop and (E) until the display is reset to all zeros.



The working range of the chronograph is twenty five (25) hours, with a resolution of 1/100 second. The chronograph measures lap and split time, simultaneously. The accumulated running time is presented continuously (Row 3).

(NOTE: You cannot operate the chronograph if the speed timer is running. To stop the speed timer, enter the speed mode. Stop timing by pressing (E) once. Press (F) until the timer is reset to all zeros. Once the speed timer is stopped, you may enter and use the chronograph.)

TIMING SINGLE LAP EVENTS

Start timing by pressing (E). Stop timing by pressing (E) again. Reset to zero by pressing (F) until zeros appear.

TIMING MULTIPLE LAP EVENTS

Reset time to all zeros by pressing (E) to stop and (F) to reset to all zeros.

TO START: Press (E) and the timer will begin to run (Run Indicator appears).

TO TAKE LAP / SPLIT READING: Press (F).

TO STOP TIMING: Press (E), then (F) to reset to all zeros.

MEMORY: Your timer has the capability to recall the previous fifty (50) completed laps (50-49-48-etc) at any time.

To use memory recall, when the timer is running, press (A) and the recall indicator appears along with the individual lap and split times. The memory recall data will disappear automatically after fifteen (15) seconds or instantly when pressing (B).

To use memory recall after the timer is stopped and the display has not been reset to all zeros, proceed as follows:

Press (A) continuously to retrieve memory data. When finished, the memory recall display will return to the last lap timed, automatically after fifteen (15) seconds, or instantly when you press (B). To reset the timer Press (F) until all zeros appear.

AVERAGE LAP TIME will be displayed when pressing (C). The average (AVG) indicator appears. The average lap time will be shown in the upper row of the display. The average lap time data will disappear automatically after fifteen (15) seconds, or instantly when pressing (B).

Average lap data can be displayed after event timing and prior to resetting the display to zero. With the timer stopped, press (C) to read the average lap time, then (F) to reset the timer to zero.

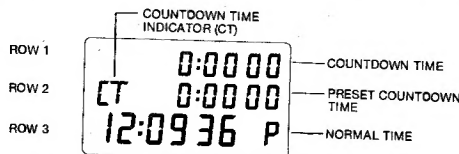
NOTE: When the chronograph is stopped, you cannot retrieve memory or average time data if the display has been reset to all zeros. **ALWAYS** retrieve memory recall and/or average time data prior to resetting the chronograph.

TIME OUT: Your chronograph has a time-out feature if the event being timed is stopped for any reason, press (E) to stop timing, restart by pressing (E). All previously recorded data will be stored in memory (up to fifty (50) laps).

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V. COUNTDOWN TIMER - HOW TO OPERATE

Your watch has an auto-repeat, countdown timer (CT) with a working range from 1 second to 9 hrs. 59 mins, and 59 secs. The CT will not work unless a countdown time has been entered. To access the CT mode, press (B) until the display appears as follows:



SETTING THE CT (If running, stop the timer by pressing (E).)

To set the countdown timer, proceed as follows:

Press and hold (A) until the seconds in row two (2) begin to flash.

To set seconds (00-59), press and hold (A) until the seconds digits in row (2) begin to flash. Set seconds by pressing (C) until you have reached the desired number of seconds.

To set minutes, press (B) and minutes begin to flash, then press (C) until the desired number of minutes appears (00-59).

To set hours, press (B) and hours begin to flash, then press (C) until the desired number of hours appears (0-9).

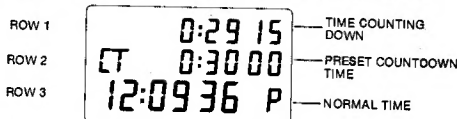
End the setting sequence by pressing (A) once, digits will stop flashing.

You may bypass setting seconds, minutes or hours by pressing (B). You may stop the setting sequence at any time by pressing (A).

HOW TO OPERATE THE CT

Once you have set the countdown time, you are ready to use the countdown timer. Proceed as follows:

1. You must load the preset time row (2) by pressing (F). The countdown time will appear in row (1) and will instantly begin to countdown as illustrated:



Once loaded, the pre-set countdown time will countdown to zero. The CT will automatically return to 30 minutes and 00 seconds and will begin to countdown again to zero.

STOP-RESTART

To stop the CT during the countdown process at any time, press (E). To restart, press (E) again.

STOP-LOAD-RESTART

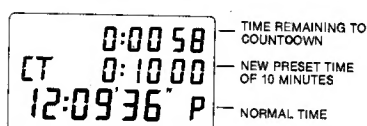
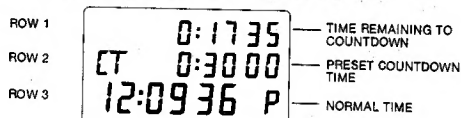
You may stop the countdown time at any time by pressing (E). To restart the countdown timer from the preset time, press (F), and the countdown time will automatically return to the preset countdown time (Row 2) and will instantly begin to countdown again to zero, e.g., from 30 minutes and 00 seconds.

RESETTING THE CT

You may reset the countdown timer in two ways:

- (1) When the countdown timer is stopped. Proceed as explained above, or,
- (2) When the countdown timer is running. Do not stop the timer. Proceed as follows:

Enter set by pressing (A) until seconds begin to flash. Set seconds by pressing (C). Once seconds are set, press (B) and minutes will flash. Press (C) to set minutes. Once minutes are set, press (B) and hours will flash. Press (C) to set hours. To end the setting sequence, press (A). The new preset countdown time will "load" automatically once the original countdown time reaches zero.



ALARM SOUND

(1) A single beep tone will sound when the countdown time reaches zero (0), provided the countdown time has been set for less than one (1) minute.

(2) A four (4) second beep tone will sound when the countdown time reaches zero (0) when the countdown timer has been set for one (1) minute or more.

MODE SWITCHING

You may enter and use other modes of operation while the CT is being used by pressing (B). You may enter the CT again by pressing (B) until you have reached the CT mode.

You cannot, however, use the speed timer if the chrono is running. Conversely, you cannot use the chrono if the speed timer is running.

LIMITED WARRANTY OUR BASIC POLICY

Marshall-Browning International Corporation (MBI Corp.) warrants to the original owner, this quartz digital liquid display timepiece (excluding battery, lens, band, or strap) for the period of one year from the original purchase date. This limited warranty is given by MBI Corp. and not by the dealer from whom the timepiece was purchased.

THE WARRANTY PROCESS - WHAT IS COVERED BY THE WARRANTY

If the timepiece develops a manufacturing defect within the one-year limited warranty period, it will be either repaired or replaced (at MBI Corp.'s option) with a timepiece of equal value, providing the original owner submits the following:

1. Proof of purchase, i.e. a validated store receipt showing date of purchase.
2. A check or money order (no cash, please) in the amount of \$6.50 to cover the cost of shipping and handling.

WHAT IS NOT COVERED BY THE WARRANTY

1. Improper or unauthorized service.
 2. Misuse, tampering, abuse, or mistreatment of the timepiece.
 3. Damage to the case or visible cracking of the lens.
 4. Moisture damage, if the product is a non-water resistant timepiece.
- B. If we find that the battery is the cause of the defect, MBI Corp. reserves the right to charge you (\$6.50) for a new replacement.

MBI Corp. is not liable for incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

YOUR RIGHTS UNDER IMPLIED WARRANTIES AND STATE LAW

MBI Corp. limits the duration of any warranty implied by state law, including the implied warranty of merchantability, to one year from the date of original purchase. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

CARING FOR YOUR TIMEPIECE

- Proper care of your timer will provide many years of enjoyment. We recommend that:
1. The battery be replaced at once when it becomes depleted. Please ask your local retailer to replace the battery for you using a CR2025 (Lithium) or equivalent.
 2. The lens be replaced immediately if it becomes damaged, as contamination from dust, moisture, and other foreign substances will damage the module.
 3. If the timepiece is not marked "water-resistant," avoid immersing or exposing it to water, steam, or other forms of moisture.

WHEN YOU REQUIRE SERVICE

If your timepiece ever requires factory servicing, you can send it directly to:
MBI CORP., 115 HURLEY RD., OXFORD, CT 06478

We strongly recommend that when sending it through the mail, you send the product insured, return receipt requested, so that if a problem in shipping arises, you can trace it through the originating post office. You will be billed for all services performed deemed out of warranty; and since we reserve the right to substitute with a replacement product of equal or greater value, NEVER include a personal item, such as a watchband, with the repair request.

Robic... Timers & chronographs for champions at every level! Please call at (203) 264-2702 for a free catalog.